

CO CES- CRYPTO GAMIC --
1920-31
CRYPTOGAMIC SOCIETY

OF

SCOTLAND.

—◆—
∴ THIRTY-NINTH ∴

Annual Conference

PERTH.

— 1920 —

EDINBURGH:

PRINTED BY J. SKINNER & Co., LTD., 27 THISTLE STREET

conf/1920 PER

CRYPTOGAMIC SOCIETY

OF

SCOTLAND.

∴ THIRTY-NINTH ∴

Annual Conference

PERTH.

CAB INTERNATIONAL
MYCOLOGICAL INSTITUTE
LIBRARY

1011/CONF/1920 PER

- 1920 -

EDINBURGH:

PRINTED BY J. SKINNER & Co., LTD., 27 THISTLE STREET

Cryptogamic Society of Scotland.

THE Thirty-Ninth Annual Conference of the Society was held at Perth on the 21st September 1920 and two following days. All arrangements had been made for holding a meeting there in 1914, but the war having meanwhile broken out the Council decided to postpone it until further notice. The long continuance of the war, much longer than was expected at that time, and the discontinuance of meetings during its course had naturally an adverse effect on the Society, and in 1919 it came to be a question whether it should be resuscitated or allowed to disappear. A circular was accordingly sent to all the Fellows inviting their opinion, and it was found to be the general desire that an effort should be made to continue it. The Perth meeting of last year was accordingly arranged to consider what was the best course to take. At that meeting it was unanimously and heartily agreed, both by the Council and the Business Meeting, that the Society should be continued and strengthened as far as possible by additions to the membership, so that its life should be invigorated and a return to its former usefulness and prosperity ensured. In the interests of Scottish Botany it would have been unfortunate if any other decision had been come to.

The Perth meeting was a successful one. The Perthshire Natural History Society were very helpful, placing their Library and Museum at our disposal for holding meetings or identifying specimens, and some of their members accompanied us on our excursions, their knowledge of the ground being of much service to us. We were particularly indebted to Mr. Ritchie, Curator of the Museum, for the trouble he took for our benefit, and to Mr. Menzies, whose knowledge of Perthshire Fungi is very extensive and who was invaluable as our guide.

We visited the beautiful estates of Murthly, Invermay and Methven, and gratefully acknowledge the courteous reception we

received. Fungi were fairly plentiful, and some interesting species were found. The scenery was attractive, the weather was favourable, and the three days we spent in excursions were very enjoyable.

The following office-bearers were appointed for 1920-21:—
President, Mr. Rupert Smith; *Vice-President*, Rev. Robert Barr;
Hon. Secretary, Very Rev. Dr. Paul; *Hon. Treasurer*, Mr. R. B. Johnstone, 134 Cambridge Drive, Glasgow; *Councillors*, Messrs. Baxter, Boyd, Lee, Winkler, Morton, Rev. J. Taylor and Dr. Fyfe; *Auditor*, Mr. William Williamson.

A list of Fungi gathered in the excursion and also a list of "Additional Records of Scottish Fungi, 1914-1921," are subjoined. The former was drawn up by Mr. Johnstone and Dr. Paul, and the latter contributed by Mr. D. A. Boyd.

LIST OF FUNGI, 1920.



LOCALITIES :

1. MURTHLY. 2. INVERMAY. 3. METHVEN CASTLE.

Amanita—

rubescens (Pers.) Fr. 1, 3.
muscaria (Linn.) Fr. 1, 3.

spissa, Fr. 1.
mappa (Batsch) Fr. 2.

Amanitopsis—

vaginata (Bull.) Roze, 1, 3.

fulva (Schæff.) W.G.Sm. 1, 2, 3.

Lepiota—

procera (Scop.) Fr. 1.
cristata (A. & S.) Fr. 1, 2.
clypeolaria (Bull.) Fr. 2.

carcharias (Pers.) Fr. 1.
granulosa (Batsch) Fr. 1, 3.
amianthina (Scop.) Fr. 2, 3.

Armillaria—

mucida (Schrad.) Fr. 1, 2.
(also on *Birch*.)

mellea (Vahl.) Fr. 2, 3.

Tricholoma—

equestre (Linn.) Fr. 1.
portentosum Fr. 1.
resplendens Fr. 1, 2.
flavo-brunneum Fr. 1, 3.
albo-brunneum (Pers.) Fr. 2, 3.
rutilans (Schæff.) Fr. 1.
terreum (Schæff.) Fr. 1.

saponaceum Fr. 1, 2.
loricatum Fr. 3.
virgatum Fr. 2, 3.
sulphureum (Bull.) Fr. 1, 2, 3.
album (Schæff.) Fr. 2.
grammopodium (Bull.) Fr. 2.
pædium Fr. 3.

Clytocybe—

nebularis (Batsch) Fr. 2.
clavipes (Pers.) Fr. 1, 3.
odora (Bull.) Fr. 3.

infundibuliformis (Schæff.) Fr. 2, 3.
inversa (Scop.) Fr. 1, 2.
fragrans (Sow.) Fr. 1, 2, 3.

Laccaria—

laccata (Scop.) B. & Br. 1, 2, 3.

var. amethystina (Vaill.) B. & Br.
1, 3.

Collybia—

radicata (Relhan) Berk. 2.
maculata (A. & S.) Fr. 1.
butyracea (Bull.) Fr. 2, 3.
velutipes Fr. 3.

confluens (Pers.) Fr. 1, 3.
tuberosa (Bull.) Fr. 1, 2, 3.
dryophila (Bull.) Fr. 2.
ludia Fr. 2.

Mycena—

pura (Pers.) Fr. 2, 3.
rugosa Fr. 2, 3.
galericulata (Scop.) Fr. 2, 3.
polygramma (Bull.) Fr. 2, 3.
alcalina Fr. 1, 3.

sanguinolenta (A. & S.) Fr. 1.
galopus (Pers.) Fr. 3.
epipterygia (Scop.) Fr. 2.
capillaris (Schum.) Fr. 1, 2.

Omphalia—

fibula (Bull.) Fr. 2.

Pleurotus—lignatilis Fr. *Scone.***Hygrophorus—**

hypothejus Fr. 1, 3.
 pratensis (Pers.) Fr. 1, 2, 3.
 virgineus Fr. 1, 2.
 lætus (Pers.) Fr. 1, 3.
 ceraceus (Wulf.) Fr. 1, 2.
 coccineus (Schæff.) Fr. 1.
 miniatus Fr. 3.

puniceus Fr. 3.
 conicus (Scop.) Fr. 2.
 calyptraeformis Berkl. 2, 3.
 chlorophanus Fr. 1, 2, 3.
 psittacinus (Schæff.) Fr. 2.
 unguinosus Fr. 3.

Russula—

nigricans (Bull.) Fr. 1, 2, 3.
 adusta (Pers.) Fr. 2.
 cyanoxantha (Schæff.) Fr. 1, 2, 3.
 fellea Fr. 1, 2, 3.

emetica (Schæff.) Fr. 1, 2.
 ochroleuca (Pers.) Fr. 1.
 fragilis (Pers.) Fr. 3.
 alutacea (Pers.) Fr. 3.

Lactarius—

torminosus (Schæff.) Fr. 1, 3.
 turpis (Weinm.) Fr. 1, 2, 3.
 blennius Fr. 1, 2, 3.
 circellatus Fr. 3.
 vellereus Fr. 3.
 piperatus Fr. 2.
 deliciosus (Linn.) Fr. 1, 2.
 quietus Fr. 1, 3.

vietus Fr. 3.
 glyciosmus Fr. 1, 2, 3.
 rufus (Scop.) Fr. 1, 2.
 volemus Fr. 3.
 mitissimus Fr. 2, 3.
 subdulcis (Bull.) Fr. 2.
 cimicarius Batsch 1.
 spinulosus Quélet 3.

Cantharellus—

cibarius Fr. 1, 2, 3.

umbonatus Fr. 1.

Marasmius—

peronatus (Bull.) Fr. 1, 3.
 oreades (Bolt.) Fr. 2.

androsaceus (Linn.) Fr. 1, 2, 3.
 epiphyllus (Pers.) Fr. 2.

Panus—

stypticus (Bull.) Fr. 1, 3.

Pluteus—

cervinus (Schæff.) Fr. 1, 3.

Entoloma—

jubatum Fr. 1, 2.
 rhodopolium Fr. 3.

sericeum (Bull.) Fr. 1, 2.
 nidorosum Fr. 1.

Clitopilus—

prunulus (Scop.) Fr. 1, 3.

Nolanea—

pascua (Pers.) Fr. 2, 3.

pisciodora (Ces.) Fr. 3.

Pholiota—

squarrosa (Mull.) Fr. 1, 2.
 mutabilis (Schæff.) Fr. 1, 3.

marginata (Batsch) Fr. 3.

Inocybe—

hystrix Fr. 2, 3.
 carpta (Scop.) Fr. 2.
 rimosa (Bull.) Fr. 1, 3.

sindonia Fr. 2.
 geophylla (Sow.) Fr. 1, 2, 3.

Hebeloma—

glutinosum (Lindgr.) Fr. 1, 2.

crustiliniforme (Bull.) Fr. 1, 2, 3.

Flammula—

carbonaria Fr. 2, 3.
 flavida (Schæff.) Fr. 1.
 inopus Fr. 1.

sapinea Fr. 1, 3.
 scamba Fr. 1.

Galera—

tenera (Schæff.) Fr. 1, 3.
 ovalis Fr. 1.

hypnorum (Batsch) Fr. 3.

Tubaria—

furfurea (Pers.) Fr. 3.

Crepidotus—

mollis (Schæff.) Fr. 1.

Stropharia—

æruginea (Curt.) Fr. 2, 3.

semiglobata (Batsch) Fr. 1, 3.

Hypholoma—

sublateritium (Schæff.) Fr. 2, 3.
 capnoides Fr. 1, 2
 fasciculare (Huds.) Fr. 1, 2, 3.

dispersum Fr. 1.
 velutinum (Pers.) Fr. 2, 3.

Psilocybe—

semilanceata Fr. 1.

spadicea Fr. 2.

Paneolus—

campanulatus (Linn.) Fr. 1, 2.

Coprinus—

atramentarius (Bull.) Fr. 3.
 niveus (Pers.) Fr. 3.

micaceus (Bull.) Fr. 1, 3.
 plicatilis (Curt.) Fr. 2, 3.

Bolbitius—

fragilis Fr. 3.

Cortinarius—

triumphans Fr. 2, 3.
 largus Fr. 1, 2, 3.
 cærulescens Fr. 2.
 elatior Fr. 3.
 pholideus Fr. 3.
 caninus Fr. 1.
 cinnabarinus Fr. 1.

cinnamomeus Fr. 1, 3.
 torvus Fr. 1, 3.
 armillatus Fr. 1.
 paleaceus Fr. 2, 3.
 leucopus Fr. 2.
 acutus Fr. 2.

Paxillus—

giganteus (Sow.) Fr. 3.

involutus Fr. 2, 3.

Boletus—

luteus (Linn.) Fr. 1.
 elegans (Schum.) Fr. 3.
 bovinus (Linn.) Fr. 1.
 badius Fr. 1, 3.
 piperatus (Bull.) Fr. 1, 2, 3.
 variegatus (Swartz) Fr. 3.
 chrysenteron Fr. 1, 2, 3.

subtomentosus (Linn.) Fr. 3.
 pachypus Fr. 1.
 edulis (Bull.) Fr. 1.
 luridus (Schæff.) Fr. 1, 2, 3.
 versipellis Fr. 1, 2.
 scaber (Bull.) Fr. 1, 2, 3.

Polyporus—

squamosus (Huds.) Fr. 3.
 picipes Fr. 2.

giganteus (Pers.) Fr. 1.
 betulinus (Bull.) Fr. 1, 2, 3.

Fomes—

annosus Fr. 3.

Polystictus—

perennis (Linn.) Fr. 2.
 radiatus Fr. 3.

versicolor (Linn.) Fr. 2, 3.
 abietinus Fr. 3.

Poria—

ferruginosa (Schröd.) Fr. 2.

sanguinolenta (A. & S.) Fr. 2.

Hydnum—

repandum (Linn.) Fr. 1, 2, 3.

Phlebia—

merismoides Fr. 2.

Grandinia—

granulosa Fr. 2, 3.

Craterellus—

cornucopioides (Pers.) Fr. 2, 3.

Thelephora—

laciniata (Pers.) Fr. 2.

Stereum—

hirsutum (Willd.) Fr. 1, 2.
 rugosum (Pers.) Fr. 2, 3.

sanguinolentum (A. & S.) Fr. 3.

Corticium—

sulphureum (Pers.) Bress. 2.
 = *Phlebia vaga* Fr.

læve (Pers.) Fr. 1.

Clavaria—

fastigiata (Linn.) Fr. 2.
 cinerea (Bull.) Fr. 2, 3.
 cristata (Pers.) Fr. 2.
 rugosa (Bull.) Fr. 1, 2, 3.

fusiformis (Sow.) Fr. 2.
 vermicularis (Scop.) Fr. 2.
 inæqualis (Fl. Dan.) Fr. 1, 2, 3.

Calocera—

cornea (Batsch) Fr. 1, 2.

viscosa (Pers.) Fr. 1, 2, 3.

Dacrymyces—

stillatus (Nees) Fr. 1, 2, 3.

Phallus—

impudicus (Linn.) Pers. 2, 3.

Mutinus—

caninus (Huds.) Fr. 2.

Lycoperdon—

gemmatum (Fl. Dan.) 1.

echinatum Pers. 1.

pyriforme (Schæff.) Pers. 2, 3.

perlatum Pers. 1.

Scleroderma—

vulgare Hornem. 1, 3.

Nidularia—

pisiformis Tul. 1.

Nectria—

cinnabarina (Tode) Fr. 3.

Cordyceps—

ophioglossoides (Ehrb.) Link. 1.

Hypoxylon—

coccineum (Bull.) Fckl. 1, 3.

Xylaria—

hypoxylon (Linn.) Grev. 3.

polymorpha (Pers.) Grev. 1, 2, 3.

Elaphomyces—

variegatus Vitt. 1.

Macropodia—

macropus (Pers.) Fuck. 2, 3.

Helvella—

lacunosa Afz. 2.

Leotia—

lubrica (Scop.) Pers. 3.

Peziza—

onotica (Pers.) Fuck. 2.

leporina (Batsch) Fr. 1, 2, 3.

cochleata Fckl. 1.

aurantia Pers. 1.

badia Pers. 1, 3.

Lachnea—

scutellata (Linn.) Fr. 2.

Bulgaria—

inquinans (Pers.) Fr. 2.

Chlorosplenium—

ærginosum (Eder) de Not. 1, 2.

Helotium—

fagineum (Pers.) Fr. 2.

Lycogala—

epidendrum (L.) Fr. 3.

Diatrype—

disciformis Fr. 3.

ADDITIONAL RECORDS OF SCOTTISH FUNGI, 1914-1921.*

PUBLISHED SOURCES OF RECORDS.

- I. Transactions of the British Mycological Society, Vol. IV., Part II. (25th May 1914).
- II. The Glasgow Naturalist, Vol. VI. (1914).
- III. Notes, Royal Botanic Garden, Edinburgh, No. XXXVIII. (Sept. 1914).
- IV. Transactions and Proceedings of the Botanical Society of Edinburgh, Vol. XXVI., Part IV. (1914).
- V. *Ibid.*, Vol. XXVII., Part I. (1914).
- VI. Transactions of the British Mycological Society, Vol. V., Part I. (10th May 1915).
- VII. Notes, Royal Botanic Garden, Edinburgh, No. XLI. (1915).
- VIII. The Journal of Botany, Vol. LIII. (1915).
- IX. The New Phytologist, Vol. XIV. (1915).
- X. Transactions of the British Mycological Society, Vol. V., Part II. (4th May 1916).
- XI. The Glasgow Naturalist, Vol. VII. (1915).
- XII. Transactions of the Royal Scottish Arboricultural Society, Vol. XXIX. (1915).
- XIII. Transactions of the Edinburgh Field Naturalists' and Microscopical Society, Vol. VII., Parts II., III. (1915).
- XIV. The New Phytologist, Vol. XV. (1916).
- XV. The Journal of Botany, Vol. LIV. (1916).
- XVI. The Glasgow Naturalist, Vol. VIII., No. 2 (Nov. 1916).
- XVII. Transactions of the British Mycological Society, Vol. V., Part III. (7th July 1917).
- XVIII. Kew Bulletin of Miscellaneous Information, No. 2 (1917).
- XIX. The Journal of Botany, Vol. LV. (1917).
- XX. Transactions of the British Mycological Society, Vol. VI., Part I. (17th Aug. 1918).
- XXI. The Journal of Botany, Vol. LVI. (1918).
- XXII. Transactions and Proceedings of the Botanical Society of Edinburgh, Vol. XXVII., Part III. (1918).
- XXIII. Transactions of the British Mycological Society, Vol. VI., Part II. (19th Sept. 1919).

* Details as to habitat, locality, etc., will be found in the various publications cited.

- XXIV. The Journal of Botany, Vol. LVII. (1919).
 XXV. Transactions of the British Mycological Society, Vol. VI., Part IV. (22nd Sept. 1920).
 XXVI. Transactions of the Royal Scottish Arboricultural Society, Vol. XXXIV. (1920).
 XXVII. Transactions and Proceedings of the Botanical Society of Edinburgh, Vol. XXVIII., Part I. (1920).
 XXVIII. The Journal of Botany, Vol. LIX. (1921).
 XXIX. Transactions of the British Mycological Society, Vol. VII., Parts I. and II. (15th July 1921).
-

FUNGI.

SCOTLAND.

- Chrysomyxa rhododendri*, De Bary.—("S. W. Scotland") IV., xxxiii.; VII.; XII., 187; XIX., 136.
Stigmatea pelvetiæ, Suth.—IX., 37; X., 239.
Mycosphærella pelvetiæ, Suth.—IX., 34; X., 239.
Phomopsis Bloxami (Berk.) Grove.—XVIII., 66.

SOLWAY.

- Phomopsis pseudotsugæ*, Wilson.—XXVI., 145; XXVII., 49.

CLYDE.

- Pleurotus serotinus* (Schröd.) Fr., *var. Almeni* (Fr.) Big. & Guill.—XXV., 323.
Thelephora spiculosa, Fr.—XVII., 475.
Synchytrium cupulatum, Thomas.—I., 318; II., 76.
Peronospora valerianæ, Trail.—XI., 5.
Phycomyces nitens (Agardh) Kunze.—XVI., 55.
Puccinia cnici-oleracei, Pers.—XVI., 55.
P. leontodontis, Jacky.—XVI., 55.
P. septentrionalis, Juel.—XXIX., 82.
P. borealis, Juel.—VIII., 44; X., 240.
P. anthoxanthi, Fekl.—VIII., 47.
Milesina Kriegeriana, Magnus.—XXVIII., 109.
M. polystichi (Wineland) Grove.—XXVIII., 109.
Entorrhiza Aschersoniana, De Toni.—II., 94.
Morchella elata, Fr., *var. purpurascens* (Krombh.) Boud.—X., 255; XVI., 54.
Physomitra esculenta (Pers.) Boud.—XVI., 55.
Galactinia prætervisa (Bres.) Boud.—XVII., 439.
Otidea concinna (Pers.) f. *integra*, Bres.—X., 256; XVI., 54.

- Humaria macrocystis* (Cooke) Mass.—XVI., 55.
Ombrophila verna, Boud.—XXV., 329.
Mniæcia jungermanniæ (Fr.) Boud.—II., 76.
Dasyscypha subtilissima, Cooke.—XII., 185.
Hyaloscypha hyalina (Pers.) Boud.—II., 61.
Micropodia grisella (Rehm) Boud.—II., 61.
Urceolella pteridis (A. & S.) Boud.—II., 61.
Cenangium abietis (Pers.) Duby.—II., 64.
Cenangella ericæ (Niessl) Rehm.—X., 238 ; XVI., 54.
Hypoderma hederæ, De Not.—XXI., 319.
H. scirpinum, DC.—XVII., 424.
Colpoma degenerans, Mass.—XXIII., 152.
Melanospora lagenaria, Fekl.—XX., 47.
Melogramma spiniferum, De Not.—XXIII., 150.
Diaporthe vepri, Ntke.—XVI., 56.
D. (Chorostate) pustulata, Sacc.—XXI., 291.
Rosellinia alchemillæ, A. L. Sm. & Ramsb.—X., 239 ; XVI., 53.
Lophiotrema sex-nucleatum (Cooke) Sacc.—XVI., 56.
Gnomoniella vulgaris (Ces. & De Not.) Sacc.—II., 77.
Gnomonia rosæ, Fekl.—XXIII., 149.
Ceriosporella polygoni, A. L. Sm. & Ramsb.—I., 325 ; II., 77.
Anthostomella tomicoides, Sacc.—X., 239 ; XVI., 54.
A. ammophilæ, Phil. & Plow.—XVI., 56.
Didymosphæria conoidea, Niessl.—XXIII., 150.
Ophiobolus herpotrichus (Fr.) Sacc.—II., 77.
Venturia ilicifolia, Cooke.—XI., 6.
Mycosphærella typhæ (Lasch).—XVI., 56.
Boydia remuliformis, A. L. Sm.—XXIII., 152.
Sphærulina alni, A. L. Sm.—XXIII., 151.
Pleospora hydrophila, Karst.—XXIII., 151.
Podosphæra myrtillina (Schub.) Kunze.—II., 55.
Uncinula prunastri (DC.) Sacc.—XI., 7.
Phyllosticta erysimi, West.—II., 77.
P. lychnidina, Grove.—XXI., 288 ; XXIII., 154.
P. punctiformis (Desm.) Allesch.—XXI., 289 ; XXIII., 154.
P. platanoidis, Sacc.—XXI., 288 ; XXIII., 154.
P. fuchsicola, Speg.—XX., 49.
P. hydrocotyles, A. L. Sm.—XXIII., 153.
P. valerianæ, A. L. Sm. & Ramsb.—VI., 158 ; XI., 78.
P. ericæ, Allesch.—XXI., 288 ; XXIII., 153.
P. syringæ, West.—II., 64.
P. polemonii, A. L. Sm. & Ramsb.—X., 244 ; XVI., 53.
P. coryli, West.—XXI., 288 ; XXIII., 153.
Phomopsis pustulata (Sacc.) Grove.—XXI., 291 ; XXIII., 153.

- P. cres* (Sacc.) Grove.—XXI., 291 ; XXIII., 154.
P. abietina (Hartig) Grove.—XXVIII., 16.
Phoma orthotrichi, A. L. Sm. & Ramsb.—I., 326 ; II., 77.
Cytospora myrtilli, Grove.—XXI., 294 ; XXIII., 155.
Ceuthospora lalutans (Fr.) Grove.—XXI., 315 ; XXV., 367,
Aposphæria populea, A. L. Sm. & Ramsb.—I., 325 ; II., 77.
Coniothyrium peplis, A. L. Sm. & Ramsb.—I., 326 ; II., 77.
C. pteridis, A. L. Sm. & Ramsb.—X., 244 ; XVI., 53.
Diplodia inquinans, West.—XVII., 428.
Ascochyta papaveris, Oud.—XX., 49.
A. tiliaë, Kab. & Bub.—XXI., 316 ; XXV., 367.
A. viburni (Roum.) Sacc.—XXI., 317 ; XXV., 368.
A. mimuli, A. L. Sm. & Ramsb.—VI., 158 ; XI., 78.
A. galeopsidis, A. L. Sm. & Ramsb.—VI., 159 ; XI., 78.
A. mercurialis, Grove.—XXI., 316 ; XXV., 367.
A. urticæ, A. L. Sm. & Ramsb.—VI., 159 ; XI., 78.
A. pseudacori, A. L. Sm. & Ramsb.—X., 244 ; XVI., 53.
A. Boydii, Grove.—XXI., 315 ; XXV., 367.
A. equiseti, Grove.—XXI., 316 ; XXV., 367.
Diplodina sonchi, Henn.—VI., 159 ; XI., 79.
D. laminariana, Suth.—XIV., 39 ; XVII., 427.
Hendersonia typhæ, Oud., *var. major*, Grove.—XXI., 318 ; XXV., 368.
Stagonospora hygrophila, Sacc., *var. vermiformis*, Grove.—XXI., 318 ; XXV., 368.
S. heraclei, A. L. Sm. & Ramsb.—VI., 161 ; XI., 78.
S. arrhenatheri, A. L. Sm. & Ramsb.—X., 245 ; XVI., 53.
S. bromi, A. L. Sm. & Ramsb.—VI., 160 ; XI., 78.
Camarosporium Stephensii (B. & Br.) Sacc.—XX., 50 ; XXIII., 155.
Septoria violæ-palustris, Died.—XX., 50.
S. brissaceana, Sacc. & Let.—X., 246 ; XVI., 54.
S. cenanthis, Ell. & Ev.—X., 246 ; XVI., 54 ; XX., 50.
S. virgaureæ, Desm.—XI., 6.
S. bellidis, Desm. & Rob.—VI., 160 ; XI., 79.
S. senecionis sylvatici, Syd.—VI., 160 ; XI., 79.
S. leontodontis, A. L. Sm. & Ramsb.—X., 246 ; XVI., 53.
S. lysimachiaë, West.—XI., 6.
S. scutellariaë, Thüm.—VI., 160 ; XI., 79.
S. chenopodii, West., *var. emaculata*, Grove.—XIX., 348.
S. scillæ, West.—XX., 49.
S. bromicola, A. L. Sm. & Ramsb.—X., 246 ; XVI., 53.
Leptothyrium fragariaë, A. L. Sm.—XXIII., 155.
L. hederæ (Moug.) Starb.—XXI., 319 ; XXV., 369.
Melasmia empetri, Magnus.—XXIX., 84.
M. urticæ, Grove.—XXI., 319 ; XXV., 369.

- Labrella coryli* (Rob.) Sacc.—XVI., 56.
Leptostromella pteridina, Sacc. & Roum.—XX., 51.
Discula junci, A. L. Sm. & Ramsb.—X., 247; XVI., 53.
Amerosporium patellarioides, A. L. Sm. & Ramsb.—XX., 52.
Glœosporium salsum, Grove.—XXI., 320; XXV., 369.
G. helicis (Desm.) Oud.—X., 247; XVI., 54.
G. Robergei, Desm.—XXI., 320; XXV., 369.
Myxosporium pubescens, Sacc.—XX., 51.
M. lanceola, Sacc. & Roum.—XX., 51.
Colletotrichum holci (Syd.) Grove.—XXI., 341; XXV., 369.
Cryptosporium vincei, Othl. *var. ramulorum*, Grove.—XXI., 342; XXV., 370.
Actinonema aquilegiæ (Roum. & Pat.) Grove.—XXI., 343; XXV., 368.
Marssonia omphalodis, Grove.—XXI., 342; XXIII., 156.
Cercospora virgaureæ (Thüm.) Allesch.—VI., 166; XI., 79.
Ramularia cardamines, Syd.—VI., 167; XI., 79.
R. arenariæ, A. L. Sm. & Ramsb.—I., 327; II., 78.
R. Schulzeri, Bäuml.—VI., 167; XI., 79.
R. arvensis, Sacc.—X., 242.
R. Tulasnei (Rab.) Sacc.—II., 62.
R. umbrosa, A. L. Sm. & Ramsb.—XX., 52.
R. angelicæ, v. Höhn.—VI., 167; XI., 79.
R. adoxæ, Fekl.—II., 78.
R. cardui, Karst.—X., 242; XVI., 55; XVII., 432.
R. campanulæ-latifoliæ, Allesch.—X., 242; XVI., 54.
R. lysimachiarum, Lind.—XXIII., 157.
R. scrophulariæ, Fautr. & Roum.—XXI., 344; XXV., 372.
Monotospora affinis, A. L. Sm. & Ramsb.—VI., 168; XI., 78.
Hadrotrichum virescens, Sacc. & Roum.—X., 243; XVI., 55.
Cercospora myrti, Erikss.—XXIII., 157.
C. veronicæ, A. L. Sm. & Ramsb.—X., 243; XVI., 53.
C. salina, Suth.—XIV., 43; XVII., 432.
Dictyosporium Boydii, A. L. Sm. & Ramsb.—VI., 168; XI., 78.
Alternaria maritima, Suth.—XIV., 46; XVII., 433.
Triposporium Boydii, A. L. Sm. & Ramsb.—VI., 168; XI., 78.
Helicosporium Boydii, A. L. Sm. & Ramsb.—VI., 168; XI., 78.
Volutella longepila, A. L. Sm. & Ramsb.—XX., 53.
Sphæridium foliicolum, A. L. Sm. & Ramsb.—X., 247; XVI., 53.

ARGYLL.

- Clavaria flava*, Fr.—XXIII., 169.
C. aurea, Schæff.—XXII., 302.
C. botrytis, Pers.—XXII., 302.
Clathrus cancellatus, Tournf.—XXII., 301; XXIV., 24.
Hypoderma pinicola, Brunch.—XXVI., 222; XXIX., 79.
Phomopsis pseudotsugæ, Wilson.—XXVI., 145.

TWEED.

Dasyscypha calyciformis (Willd.) Rehm.—XXIX., 79.

FORTH.

Olpidium tumefaciens (Magn.) Berl. & De Toni.—X., 233.

Synchytrium taraxaci, De Bary. & Wor.—XIII., 184.

S. anemones, De Bary. & Wor.—XIII., 184.

S. mercurialis (Lib.) Fekl.—XIII., 184.

Plasmopara densa (Rabenh.) Schröt.—XIII., 183.

P. nivea (Ung.) Schröt.—XIII., 183.

Peronospora viciæ (Berk.) De Bary.—XIII., 183.

P. trifoliorum, De Bary.—XIII., 184.

P. ficariæ, Tul.—XIII., 184.

P. grisea, Unger.—XIII., 184.

Ustilago Vaillantii, Tul.—III., 227.

Entyloma ranunculi (Bon.) Wint.—XIII., 185.

Puccinia Pazschkei, Dietel.—XXIX., 81.

P. Prostii, Moug.—VIII., 43.

Dasyscypha calyciformis (Willd.) Rehm.—XXIX., 79.

D. subtilissima, Cooke.—XII., 185.

Micropodia grisella (Rehm) Boud.—XIII., 187.

Hapalosphæria deformans, Syd.—IV., xliii.; XXIX., 84.

Septoria anemones, Desm.—XIII., 183.

S. gei, Rob. & Desm.—XIII., 188.

S. scorodoniæ, Pass.—VI., 159; XIII., 188.

S. urticæ, Desm. & Rob.—XIII., 188.

Marssonina potentillæ (Desm.) Sacc.—XIII., 188.

Botrytis Douglasii, Tub.—XXIX., 85.

Sclerococcum sphærale, Fr.—XVII., 433.

Fusarium equisetorum, Desm.—XIII., 188.

TAY.

Trametes cinnabarinus (Jacq.) Fr.—I., 312.

Puccinia crepidis, Schröt.—XXIV., 163.

P. septentrionalis, Juel.—VIII., 46; X., 241; XXIX., 82.

P. dispersa, Erikss. & Henn.—XXIX., 82.

P. polygoni-vivipari, Karst.—XXIV., 162.

P. borealis, Juel.—XXIV., 162.

P. anthoxanthi, Fekl.—VIII., 47; XXIX., 83.

P. moliniæ, Tul (?).—XXIX., 82.

Melampsora alpina, Juel.—VIII., 48; X., 241; XXIV., 161.

Pustularia lecithina (Cke.) Rea.—XXIX., 58.

Cheilymenia cinnabarina (Schw.) Rea.—XVII., 440.

Humaria tetraspora (Fekl.) Boud.—XX., 64.

- Sphaeridiobolus hyperboreus* (Karst.) Boud., var. *niveus*, Quél. —I., 316.
Rhyarobius albidus, Boud.—I., 317.
Ombrophila megalospora, Rea.—X., 256.
Hyalinia turgidella (Karst.) Boud.—XXIX., 59.
Helotium sparsum, Boud.—I., 317.
Dasyscypha crystallina (Fekl.) Sacc.—XXIX., 59.
Hyaloseypha radio-striata (Feltg.) Boud.—XXV., 329.
Urceolella leucostoma (Rehm) Boud.—XXV., 330.
U. deparcula (Karst.) Boud.—XXIX., 60.
U. iridis, Rea.—XXV., 330.
Pyrenopeziza millegrana, Boud.—XXV., 330.
Scutularia citrina (Chev.) Sacc.—XVII., 440.
Dermatea umbrina, Cke. & Mass.—XX., 64.
Euccelia tiliacea (Fr.) Karst.—I., 317.
Hypoderma brachysporum (Rostr.) Tub.—XXIX., 81.
H. strobicola, Rostr.—XXVI., 222.
Melanospora chionea (Fr.) Corda.—X., 257.
Melogramma elongatum, A. L. Sm.—XXIII., 150.
Phomopsis pseudotsugæ, Wilson.—XXVI., 145; XXVII., 49.
Melasmia empetri, Magnus.—XXIX., 84.
Gloeosporium curvatum, Oud.—XI., 8.
Cylindrosporium microspERMum (Speg.) Sacc.—XXI., 341; XXV., 370.
Botrytes Douglasii, Tub.—XV., 85; XXVI., 223; XXIX., 85.

DEE.

- Clitocybe virens* (Scop.) Fr.—I., 308.
Corticium (*Gloeocystidium*) *prætermissum* (Karst.) Bres.—VI., 131.
Puccinia longissima, Schröt.—XIX., 135; XX., 53.
P. septentrionalis, Juel.—VIII., 46; X., 241.
Chrysomyxa rhododendri, De Bary.—XIX., 136.
C. abietis, Wallr.—XII., 190.
Hyaloseypha leucella (Karst.) Boud.—I., 324.

MORAY S.

- Corticium Galzini*, Bourd.—XVII., 480.
Chrysomyxa abietis, Wallr.—XII., 190.
Phomopsis pseudotsugæ, Wilson.—XXVII., 49.

MORAY N.

- Clavaria stricta*, Fr., var. *alba*, Cotton & Wakef.—XXIII., 174.
Empusa (*Entomophthora*) *aphidis*, Hoffm.—XXIII., 201.
E. (*Triplosporium*) *Fresenii*, Nowakowski.—XXIII., 202.
Chrysomyxa abietis, Wallr.—XII., 190.
Cladosporium aphidis, Thüm.—XXIII., 203.

SUTHERLAND.

Empusa (*Triplosporium*) *Fresenii*, Nowakowski.—XXIII., 202.

ORKNEY.

Hypoderma laminariæ, Suth.—VI., 153.

Dothidella pelvetiæ, Suth.—VI., 154.

Stigmatea pelvetiæ, Suth.—IX., 37; X., 239.

Didymosphaeria pelvetiana, Suth.—IX., 185; X., 240.

D. fucicola, Suth.—IX., 188; X., 240.

Trailia ascophylli, Suth.—VI., 149.

Orcadia ascophylli, Suth.—VI., 151.

O. pelvetiana, Suth.—IX., 183; X., 240.

Ophiobolus laminariæ, Suth.—VI., 147.

Mycosphærella pelvetiæ, Suth.—IX., 34.

Pleospora laminariana, Suth.—X., 261.

Diplodina laminariana, Suth.—XIV., 39; XVII., 427.

Fusidium maritimum, Suth.—XIV., 41; XVII., 430.

Cercospora salina, Suth.—XIV., 43; XVII., 432.

Macrosporium laminarianum, Suth.—XIV., 45; XVII., 433.

Alternaria maritima, Suth.—XIV., 46; XVII., 433.

Epicoccum maritimum, Suth.—XIV., 47; XVII., 433.

